

Power Cost Memorandum Fuel Cost Update

Date: **April 1, 2021**

Utility Name (Cert. No.) Takotna Community Association (394)	Utility File No. PC17-0913M	Date Filed: March 5, 2021
--	---------------------------------------	-------------------------------------

PCE AMOUNT SUMMARY	Previously Calculated PC17-0913L	Staff Recommended Amount(s) and Effective Date PC17-0913M
Class Rate	<u>Date Approved:</u> July 1, 2020	April 2, 2021
All	\$0.4998	\$0.4242
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: <u>\$4.3388</u>	New Fuel Purchase Price: \$ 3.6034
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: <u>\$ 0.25</u>	Surcharge Change: Previous <u>0.1720</u> Updated <u>0.1720</u>

Weighted Average Fuel Price/Gal. Calculation			
	<u>Gallons</u>		<u>Price</u>
On-hand before deliv.	4,828	X	\$ 4.3388
Delivered	25,000	X	\$ 3.4614
	<u>29,828</u>		<u>\$ 107,482.94</u>
			Weighted Average <u>\$ 3.6034</u>

Signed: *Brenda Cox* Utility Financial Analyst
Brenda Cox

Commission decision re. this recommendation :

	Date (if different from 4/1/21)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<i>RMP</i>		
Kurber		NI		
Scott		<u>AGS</u> <small>AGS</small>		
Sullivan		<u>DS</u> <small>DS</small>		
Wilson		<u>JW</u> <small>JW</small>		

Special Instructions to Staff:

If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

Takotna Community Association

POWER COST EQUALIZATION CALCULATION
 FOR TEST PERIOD ENDED June 30, 2017
Fuel Cost Update

	PC17-0913L	PC17-0913M	
	Prior Commission Approved	Utility Request	Staff Recommended
A. Total kWh Generated	221,274	221,274	221,274
B. Total kWh Sold (Appendix 2)	194,729	194,729	194,729
C. Total Non-Fuel Costs (Appendix 2)	51,145	51,145	51,145
D. Non-Fuel Cost/kWh (C / B)	\$0.2626	\$0.2626	\$0.2626
E. Total Fuel Costs (Appendix 2)	91,476	75,971	75,971
F. Fuel Costs/kWh (E / B)	\$0.4698	\$0.3901	\$0.3901
G. Eligible Costs/kWh (D + F)	\$0.7324	\$0.6528	\$0.6528
H. Eligible Cost/kWh (G) Less 20.63 cents/kWh	\$0.5261	\$0.4465	\$0.4465
I. Lesser of (H) or 79.37 cents/kWh	\$0.5261	\$0.4465	\$0.4465
J. Average Class Rates (Appendix 3) All	\$0.8157	\$0.8157	\$0.8157
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J) All	\$0.4998	\$0.4242	\$0.4242
L. Funding Level in Effect All	100%	100%	100%
	\$0.4998	\$0.4242	\$0.4242

**PC17-0913M
 Appendix 1**

Takotna Community Association

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR TEST PERIOD ENDED June 30, 2017

Fuel Cost Update

		PC17-0913L	PC17-0913M	
		Prior Commission Approved	Per Utility	Per Staff
Non-Fuel Costs:				
A.	Personnel Expenses	35,828	35,828	35,828
B.	Operating Expenses	10,657	10,657	10,657
C.	General & Administrative	2,712	2,712	2,712
D.	Depreciation	1,948	1,948	1,948
E.	Interest Expense	-	-	-
F.	Total Non-Fuel Costs	51,145	51,145	51,145
Fuel Costs:				
G.	Gallons Consumed for Electric Generation	21,083	21,083	21,083
H.	Wtd. Avg. Cost of Fuel	\$4.3388	\$3.6034	\$3.6034
I.	Total Cost of Fuel	\$91,476	\$75,971	\$75,971
J.	kWh Generated	221,274	221,274	221,274
K.	kWh Sales	194,729	194,729	194,729
L.	kWh Station Service	Not Available	Not Available	Not Available
M.	Efficiency (J/G)	\geq 10.5	10.50	10.50
N.	Line Loss and Station Service	\leq 12%	12.00%	12.00%

PC17-0913M
Appendix 2

Calculation of Average Class Rate per kWh

Rate Schedule: Residential

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$0.2063 /kWh
500	0.8500	0.1720	1.0220	511.00	1.0220	0.8157
500				511.00	1.0220	0.8157
TOTAL (A)						(E)

Rate Schedule: Commercial Facilities

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$0.2063 /kWh
0 to All	0.8500	0.1720	1.0220	1.0220		0.8157
TOTAL (A)						0.8157 (E)

Computation of Community Facilities Average Rate

	(A) Rate (\$/kWh)	(B) Surcharge If Applicable (\$/kWh)	(C) Total Rate (\$/kWh) (A+B)	(7) Avg. Rate (\$/kWh) - \$0.2063 /kWh
0 to ∞	0.8500	0.1720	1.0220	0.8157
Next to _____				
Next to _____				
Next to _____				
Next to _____				

Takotna Community Association

	Invoice Number	Delivery Date	Gallons	Cost per Gallon	Delivery/Mark-Up per Gallon	Total Cost
Beginning Fuel Inventory			4,828			
Last Approved Fuel Cost/Gal.				\$ 4.3388		
Beginning Fuel Inventory in Gallons X Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cost --->						\$ 20,948
Reporting Period Purchases	42073	09/15/20	25,000	3.2114	0.25	86,535
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
						-
Totals for Reporting Period Purchases on this sheet:			25,000			86,535
Grand Totals (beginning inventory plus purchases) A			<u>29,828</u>			B \$ <u>107,483</u>

Grand Total Cost divided by Grand Total Gallons = 3.6034 Weighted Avg. Cost per gallon
Purchases: Total Cost divided by Grand Total Gallons = 3.4614 Weighted Avg. Cost per gallon

Staff noted the LUST tax of \$0001 and State-Fuel Surcharge of \$0.0095 were on the Vitus invoice #42073 and added them to the cost per gallon about.

Signature: Robert M Pickett
Email: bob.pickett@alaska.gov

Signature: Keith Kurber II
Keith Kurber II (Apr 1, 2021 07:49 AKDT)
Email: keith.kurber@alaska.gov

Signature: Antony Scott
Antony Scott (Apr 1, 2021 09:24 AKDT)
Email: antony.scott@alaska.gov

Signature: Daniel Sullivan
Daniel Sullivan (Apr 1, 2021 09:54 AKDT)
Email: daniel.sullivan@alaska.gov

Signature: Janis W. Wilson
Janis W. Wilson (Apr 1, 2021 12:03 AKDT)
Email: janis.wilson@alaska.gov